

Docket No.: KUCKELSBURG  
Serial No.: 08/727,374

**VERSION WITH MARKINGS TO SHOW CHANGES MADE:**

**IN THE CLAIMS:**

**Amend** the following claims:

2. (Twice Amended) A linear synchronous motor comprising:
- a) at least one primary part (1) and at least one secondary part (6);
  - b) the secondary part (6) has a sequence of poles (10) formed by permanent magnets;
  - c) the length of the secondary part (6) is greater than the length of the primary part (1) in the movement direction (5),
  - d) the primary part (1) has primary part slots (9) which are suitable for holding monophase or polyphase windings,
  - e) the primary part (1) has means which lead to a change in the magnetic force in the movement direction (5) of the linear motor in the region of the end pieces (2) of the primary part (1), and
  - f) the end faces (14) of the end pieces (2) extend perpendicular to the movement direction (5) of the linear motor,
- wherein the air gap of between the end pieces (2) ~~is formed in such a way that and the secondary part (6) changes gradually within a single pole pitch so as to realize~~ a continuous change ~~occurs~~ increase or decrease in the magnetic force in the movement direction (5) of the linear motor in the region of the end pieces (2) of the primary part (1).

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8. (Amended) A linear synchronous motor, comprising:

at least one primary part defined by a length and having slots for receiving monophase or polyphase windings, said primary part having end pieces extending perpendicular to a direction of movement of the linear motor;

at least one secondary part having a series of poles formed by permanent magnets, said secondary part defined by a length which is greater than the length of the primary part in a direction of movement of the linear motor; and means, associated to the primary part, for changing the magnetic force in the direction of movement of the linear motor in the region of the end pieces of the primary part,

wherein an air gap of between the end pieces ~~is formed in such a way that and the secondary part changes gradually within a single pole pitch so as to realize~~ a continuous change ~~occurs~~ increase or decrease in the magnetic force in the movement direction of the linear motor in the region of the end pieces of the primary part.

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### REMARKS

Record is made of a telephone interview between applicant's representative and the Examiner which took place on September 5, 2002. The Examiner is thanked for his help and assistance as well as for the courtesies extended to Counsel at that time. During the course of the interview, the present application was extensively discussed, and applicant's representative pointed out to the differences between the prior art of record and the subject matter of the present invention. The Examiner agreed that the subject matter of the present invention is distinguishable over the prior art of record, provided independent claims 2 and 8 are amended to clarify the configuration of the "air gap" and the meaning of the term "change".

As a result of the interview, applicant now submits amendments to the claims 2 and 8 which are drawn up in accordance with the agreement at the interview so as to overcome each and every objection or rejection to the claims as set forth in the Examiner's Official Action of March 28, 2002 and to place the application in formal condition for allowance.

In view of the above, each of the presently pending claims in this application is believed to be in immediate conditions for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

Reconsideration and allowance of the present application are respectfully requested.

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Should the Examiner consider necessary or desirable any formal changes anywhere in the specification, claims and/or drawing, then it is respectfully requested that such changes be made by Examiner's Amendment, if the Examiner feels this would facilitate passage of the case to issuance. If the Examiner feels that it might be helpful in advancing this case by calling the undersigned, applicant would greatly appreciate such a telephone interview.

The Commissioner is hereby authorized to charge fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

Respectfully submitted,

By: 

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